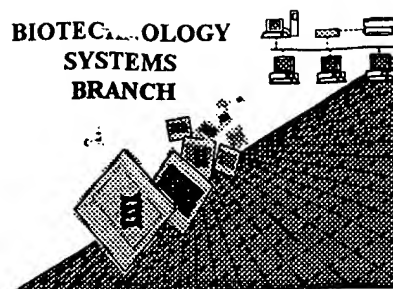


## **RAW SEQUENCE LISTING** **ERROR REPORT**



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/820,425  
Source: OIPE  
Date Processed by STIC: 4/11/2001

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

**FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.**

**FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.**

**PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)**

**PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:**

### **Checker Version 3.0**

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

**Checker Version 3.0 can be down loaded from the USPTO website at the following address:**

**<http://www.uspto.gov/web/offices/pac/checker>**

OIEP

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/820,425

DATE: 04/11/2001  
 TIME: 13:41:00

Input Set : A:\Dex-2031.app  
 Output Set: N:\CRF3\04112001\I820425.raw

pp 3-4

OK

Does Not Comply  
 Corrected Diskette Needed

3 <110> APPLICANT: Chen, Sei-Yu  
 4 Hu, Ping  
 5 Recipon, Herve  
 6 Macina, Roberto  
 8 <120> TITLE OF INVENTION: Compositions and Methods of Diagnosing, Monitoring,  
 9 Staging, Imaging and Treating Lung Cancer  
 11 <130> FILE REFERENCE: DEX-0203  
 13 <140> CURRENT APPLICATION NUMBER: US/09/820,425  
 14 <141> CURRENT FILING DATE: 2001-03-29  
 16 <150> PRIOR APPLICATION NUMBER: 60/192,921  
 17 <151> PRIOR FILING DATE: 2000-03-29  
 19 <160> NUMBER OF SEQ ID NOS: 19  
 21 <170> SOFTWARE: PatentIn Ver. 2.1  
 23 <210> SEQ ID NO: 1  
 24 <211> LENGTH: 132  
 25 <212> TYPE: DNA  
 26 <213> ORGANISM: Homo sapiens  
 28 <400> SEQUENCE: 1  
 29 acagttgact tcttaggctg ctgaacaaat ttcttctctt gccccaggag aatttgatct 60  
 30 gcaggttccc ataagtagag taacatcttt ctcttgaaat aggtgctgtg tcaaagtctg 120  
 31 tatecataaqc tt 132  
 34 <210> SEQ ID NO: 2  
 35 <211> LENGTH: 118  
 36 <212> TYPE: DNA  
 37 <213> ORGANISM: Homo sapiens  
 39 <400> SEQUENCE: 2  
 40 accacccttc cagcagcagc tgtgccttgg cacaatgcac tcagcatctg cagagaactg 60  
 41 gacatggctg gagacttggg gttccataac aatgcctgga acatgatgca gcaagctt 118  
 44 <210> SEQ ID NO: 3  
 45 <211> LENGTH: 107  
 46 <212> TYPE: DNA  
 47 <213> ORGANISM: Homo sapiens  
 49 <400> SEQUENCE: 3  
 50 gaacggatca gcataacttt gggataaaat tagccgacag tttgtggact ctccagcatg 60  
 51 cgccctgttg ctcggtgctg ttctctcgat aaatcacaac aaagctt 107  
 54 <210> SEQ ID NO: 4  
 55 <211> LENGTH: 137  
 56 <212> TYPE: DNA  
 57 <213> ORGANISM: Homo sapiens  
 59 <400> SEQUENCE: 4  
 60 actgttctctg ttggccgagt ggagactggg gttcatcaaa accctgtgta tggttgggtca 60  
 61 cgcatttgcg tccagatcga actgttacag acgtgaaggt aagaatcgtg tctgaaagtg 120  
 62 cacctatgac agctttg 137  
 65 <210> SEQ ID NO: 5  
 66 <211> LENGTH: 101  
 67 <212> TYPE: DNA  
 68 <213> ORGANISM: Homo sapiens

## RAW SEQUENCE LISTING

DATE: 04/11/2001

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TIME: 13:41:00

Input Set : A:\Dex-2031.app

Output Set: N:\CRF3\04112001\I820425.raw

70 &lt;400&gt; SEQUENCE: 5

71 taccagtgct tgggtgacaag ctgggtgtact caagggtcat agcggttgta ctgagagaag 60  
 72 atcgtttagtc cgtcacgaa ttccacacga agatacgagg c 101

75 &lt;210&gt; SEQ ID NO: 6

76 &lt;211&gt; LENGTH: 704

77 &lt;212&gt; TYPE: DNA

78 &lt;213&gt; ORGANISM: Homo sapiens

80 &lt;400&gt; SEQUENCE: 6

81 acacatggag accatgatgc gaacggggac tgccagtgya tatgagggct tttatgaaag 60  
 82 ggagtttgct ctgatgtgtg tgtttccgtc cccaaaacac acacacagca gcacacagtc 120  
 83 gcgatacatc alattttcaat ccgcttgcta gctcagatct ctgtggttat ggggtaacaa 180  
 84 acagtcggat gcagaaaaac tatccatgaa ttcagcaaac acagttagcc gtaggtcgaa 240  
 85 gaatccctaa accgctctta acaatcatat aatccatact gctgagcgac attagactgg 300  
 86 gctgctacac ctgtgctcgt tcagccgaca gcccaagcca tgtacccccg catctctctt 360  
 87 ctctaatat ctcccacaag acgatcacaa gctatggcca gtacatcagt ggctcaatag 420  
 88 cctgacatcc ctgctgctgc caactcgtca ctcccgcctc acacagttcc accacaacca 480  
 89 taccgagcca acccgcccc accagcccc cagccccca yggccgcgcc ccacgccccg 540  
 90 cccacggcc acccccaccg accgagccac ccccccccc cgtccacac ccgaccaggc 600  
 91 cccccccacc ccccacgac cgcaaccaga gccccaccg ccgaccgcc ccccgccccg 660  
 92 ccgcccagca cccacccgc aaccaccgcc ccccccccc gcac 704

95 &lt;210&gt; SEQ ID NO: 7

96 &lt;211&gt; LENGTH: 145

97 &lt;212&gt; TYPE: DNA

98 &lt;213&gt; ORGANISM: Homo sapiens

100 &lt;220&gt; FEATURE:

101 &lt;221&gt; NAME/KEY: unsure

102 &lt;222&gt; LOCATION: (101)

104 &lt;220&gt; FEATURE:

105 &lt;221&gt; NAME/KEY: unsure

106 &lt;222&gt; LOCATION: (125)..(126)

108 &lt;400&gt; SEQUENCE: 7

109 acttgaagat cagtaaagag attgggggag acgtgcagaa acatgcggag atggtccaca 60  
 110 cagtggttga gagttgagag cgagactcgt gtgtggttac nagacttcta cagtgtaaac 120  
 111 atgcnncagc agaaaataag tcttg 145

114 &lt;210&gt; SEQ ID NO: 8

115 &lt;211&gt; LENGTH: 715

116 &lt;212&gt; TYPE: DNA

117 &lt;213&gt; ORGANISM: Homo sapiens

119 &lt;400&gt; SEQUENCE: 8

120 accatggtaa gaaacagttt taacagtaga tcacgtatca gattgaatga taataaatca 60  
 121 atttgggaaa tgagttagat tctggacagt ctgatacgt gatctactag ctcaacaact 120  
 122 gtatcattac cactygtaca gtataagatc tcacttaacg ccgcaaaccg acatttcaga 180  
 123 ctatctaacc attacatttg tacaattcca tagtgagtat caacgtttat cactacaccg 240  
 124 aagtycatta agcacacatg cagtgcaaca cattctacaa actgcagcac caccatggcg 300  
 125 tctacggcga attcagctag cgggctgata tcacagacac gaccactagc ccccaactgc 360  
 126 ttatcactac tatacacta tatacgtgt tgaactaaca ctatcttoga tagtttaact 420  
 127 cgtacctttt gctcgacac ctacacaggac acagttcgt catacacta gacccctcg 480  
 128 ggccacggcg cctgcacccc cggcatacgg acaaccgcca cttactgca cccggaccct 540  
 129 aacagcaga cgccaccta ccatgactcc caccaaccca acctgtcgac aacgacaagg 600

## RAW SEQUENCE LISTING

DATE: 04/11/2001

PATENT APPLICATION: US/09/820,425

TIME: 13:41:00

Input Set : A:\Dex-2031.app

Output Set: N:\CRF3\04112001\I820425.raw

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130 acgcaacact acaacaagca aaataccact ggccaccgca tagcgccgcc acacacacat 660
131 ggcacagcag gacagctacc cctgctgcca cacactggac catcccgct ccaca 715
134 <210> SEQ ID NO: 9
135 <211> LENGTH: 370
136 <212> TYPE: DNA
137 <213> ORGANISM: Homo sapiens
139 <220> FEATURE:
140 <221> NAME/KEY: unsure /
141 <222> LOCATION: (92)..(93)
143 <220> FEATURE:
144 <221> NAME/KEY: unsure /
145 <222> LOCATION: (205)..(206)
147 <220> FEATURE:
148 <221> NAME/KEY: unsure /
149 <222> LOCATION: (226)..(227) (225)..(226) (next page)
151 <220> FEATURE:
152 <221> NAME/KEY: unsure /
153 <222> LOCATION: (243)..(244)
155 <220> FEATURE:
156 <221> NAME/KEY: unsure /
157 <222> LOCATION: (268) /
159 <220> FEATURE:
160 <221> NAME/KEY: unsure /
161 <222> LOCATION: (285) /
163 <220> FEATURE:
164 <221> NAME/KEY: unsure /
165 <222> LOCATION: (297)..(298) /
167 <220> FEATURE:
168 <221> NAME/KEY: unsure /
169 <222> LOCATION: (308) /
171 <220> FEATURE:
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173 <222> LOCATION: (311) /
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176 <221> NAME/KEY: unsure /
177 <222> LOCATION: (319) /
179 <220> FEATURE:
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181 <222> LOCATION: (322) /
183 <220> FEATURE:
184 <221> NAME/KEY: unsure /
185 <222> LOCATION: (327) /
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188 <221> NAME/KEY: unsure /
189 <222> LOCATION: (349) /
191 <220> FEATURE:
192 <221> NAME/KEY: unsure /
193 <222> LOCATION: (355) /
195 <220> FEATURE:

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## RAW SEQUENCE LISTING

DATE: 04/11/2001

PATENT APPLICATION: US/09/820,425

TIME: 13:41:00

Input Set : A:\Dex-2031.app

Output Set: N:\CRF3\04112001\I820425.raw

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196 <221> NAME/KEY: unsure
197 <222> LOCATION: (357) ✓
199 <220> FEATURE:
200 <221> NAME/KEY: unsure
201 <222> LOCATION: (359) ✓
203 <220> FEATURE:
204 <221> NAME/KEY: unsure
205 <222> LOCATION: (361) ✓
207 <220> FEATURE:
208 <221> NAME/KEY: unsure
209 <222> LOCATION: (370) ✓
211 <220> FEATURE:
212 <221> NAME/KEY: unsure
213 <222> LOCATION: (334) ✓
215 <220> FEATURE:
216 <221> NAME/KEY: unsure
217 <222> LOCATION: (336) ✓
219 <220> FEATURE:
220 <221> NAME/KEY: unsure
221 <222> LOCATION: (341) ✓
223 <400> SEQUENCE: 9
224 atgagggccca gcagcttctt gatcgtggtg gtgttctctca tcgtgaggat gctgggttcta 60
W--> 225 gaaggcagcg tgtcacgctg gaatgttctt gntttaaagt tgttcaatga aacctgtca 120
226 aagtgcggt gttccaattc aatgtgagca agatccctgt taaagatgac aatgtttcag 180
W--> 227 ttaacaggtc agagataaca gtcannaagc gcaagagcca tgtcnaaag tgtccatgtc 240
W--> 228 tcnncacata agacctggtc gtctctgngc cccaaatata tactatggaa ttccgggntt 300
W--> 229 ggcgccantg nttttgaant tccccctt taanccggc ntggcttnt tggananang 360
W--> 230 naattaactn 370
233 <210> SEQ ID NO: 10
234 <211> LENGTH: 181
235 <212> TYPE: DNA
236 <213> ORGANISM: Homo sapiens
238 <220> FEATURE:
239 <221> NAME/KEY: unsure
240 <222> LOCATION: (74) ✓
242 <220> FEATURE:
243 <221> NAME/KEY: unsure
244 <222> LOCATION: (98) ✓
246 <220> FEATURE:
247 <221> NAME/KEY: unsure
248 <222> LOCATION: (140) ✓
250 <220> FEATURE:
251 <221> NAME/KEY: unsure
252 <222> LOCATION: (173) ✓
254 <400> SEQUENCE: 10
255 acataataga acttatttat ggagttagaa attttagtg ttatccagga ttgattttca 60
W--> 256 ctttgatcac atcttcacag ataataaat attttcanag tttttttct tattaacag 120
W--> 257 ctctggtgca tagtttttn tttctggtt atagccttct atcccaata tanaagctgt 180
258 g 181

```

OK OK

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/820,425

DATE: 04/11/2001

TIME: 13:41:00

Input Set : A:\Dex-2031.app

Output Set: N:\CRF3\04112001\I820425.raw

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261 <210> SEQ ID NO: 11
262 <211> LENGTH: 124
263 <212> TYPE: DNA
264 <213> ORGANISM: Homo sapiens
266 <400> SEQUENCE: 11
267 acccattaaa ctgctaaaaa acaaattgag tgggtgagaat acaacagaag tccaacttta 60
268 gattctagag tgtatgtcac cactgtagat atacaactca tcacagcaca cattccaaga 120
269 ctct                                     124
272 <210> SEQ ID NO: 12
273 <211> LENGTH: 311
274 <212> TYPE: DNA
275 <213> ORGANISM: Homo sapiens
277 <400> SEQUENCE: 12
278 actccagctc tgtgtgcaag gagatgtgct ggaatgtcac agcatcgtat agcaaagagc 60
279 atattggcaa cagcttggat ggccagcaga aggagcccaa atgtgtgatt catattcact 120
280 agtcgaataa ttgaatacta caatatacac catataact agactgtatg tgttgttcta 180
281 tactataqty attgaattga actccattca gtgaaaaaaa tyyaagaatt agclatttct 240
282 atccatatgg gatacaaaaa agcagggtta caaaagaatc tacatcatct tgccatttgc 300
283 aggtaaagct t                                     311
286 <210> SEQ ID NO: 13
287 <211> LENGTH: 22
288 <212> TYPE: DNA
289 <213> ORGANISM: Artificial Sequence
291 <220> FEATURE:
292 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
294 <400> SEQUENCE: 13
295 cgaqtgqaga ctggtgttca tc                                     22
298 <210> SEQ ID NO: 14
299 <211> LENGTH: 24
300 <212> TYPE: DNA
301 <213> ORGANISM: Artificial Sequence
303 <220> FEATURE:
304 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
306 <400> SEQUENCE: 14
307 gcactttcag acacgattct tacc                                     24
310 <210> SEQ ID NO: 15
311 <211> LENGTH: 26
312 <212> TYPE: DNA
313 <213> ORGANISM: Artificial Sequence
315 <220> FEATURE:
316 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
318 <400> SEQUENCE: 15
319 ggtgagaata caacagaagt ccaact                                     26
322 <210> SEQ ID NO: 16
323 <211> LENGTH: 23
324 <212> TYPE: DNA
325 <213> ORGANISM: Artificial Sequence
327 <220> FEATURE:
328 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

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## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/820,425

DATE: 04/11/2001

TIME: 13:41:01

Input Set : A:\Dex-2031.app

Output Set: N:\CRF3\04112001\I820425.raw

L:13 M:270 C: Current Application Number differs, Replaced Application Number  
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:110 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:7  
L:110 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:111 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:7  
L:111 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:225 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:9  
L:225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9  
L:227 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:9  
L:227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9  
L:228 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:9  
L:228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9  
L:229 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:9  
L:229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9  
L:230 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:9  
L:230 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9  
L:256 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:10  
L:256 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10  
L:257 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:10  
L:257 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10